

Synthetic Controls

Disorder	Gene	Mutations	Notes	Source	Product	Link to product
Cystic Fibrosis	CFTR	32 mutations including ACMG 25 panel	32 mutations in one vial	Molecular Controls	CF32 Control	CF32 Control
Cystic Fibrosis	CFTR	38 mutations, including ACMG Panel of 25, 3 polymorphisms, and 5T/7T/9T	Monitors entire test including extraction	Maine Molecular Quality Controls, Inc. (MMQCI)	INTROL™ CF Panel I Control	Cystic Fibrosis Panel I Control
Cystic Fibrosis	CFTR	28 mutations including ACMG 25 panel and 1 reflex variant	28 mutations and 1 reflex variant in 1 vial	AcroMetrix	OptiQual™ CF Mutation Controls	Mutation Controls
Thrombosis	FV, FII	FV Leiden, FII G20210A	Contains rare homozygous mutants	Maine Molecular Quality Controls, Inc. (MMQCI)	INTROL™ Thrombotic Risk Genotype Control	TRC Genotype Control
Thrombosis	MTHFR	C677T, A1298C	Contains rare homozygous mutants	Maine Molecular Quality Controls, Inc. (MMQCI)	INTROL™ MTHFR Genotype Control	MTHFR Genotype Control
Fragile X	FMR1	CGG repeat sizes: 20, 30, 41, 51, 60, 73, 93, 96, 118	1 CGG repeat size per vial	National Institute of Standards and Technology	SRM2399	SRM2399
Bloom Syndrome Canavan Disease Familial Dysautonomia Fanconi Anemia Type C Gaucher Disease Mucopolidosis Type IV Niemann-Pick Disease Tay Sachs Disease	BLM ASPA IKBKAP FANCC GBA MCOLN1 SMPD1 HEXA	32 mutations in 8 genes	32 mutations in 2 vials	Molecular Controls	AJP Control (for TM Bioscience Tag It platform)	AJP